



REPLACEMENT CLAIMS

WHAT IS CLAIMED IS:

1. A process for making artificial rocks for use, in particular, in aquariums, tanks, swimming pools and the like, that comprises the following operating steps:
 - a. carrying out a first deposition of a mixture of powdered aggregates, resin, additives, within a cast or mould;
 - b. catalyzing the mixture of said first deposition;
 - c. covering the surface thus obtained with isophthalic or bisphenolic polyester resin;
 - d. carrying out a second deposition of powdered aggregates, resin, additives;
 - e. covering the surface derived from the second deposition with a layer of structural component and with resin;
 - f. polymerizing the intermediate product thus obtained;
 - g. covering the surface thus obtained with a layer of gel;
 - h. polymerizing the product thus obtained;
 - i. removing the product from the mould;
 - j. subjecting the product to a heating treatment.
2. Process according to claim 1, wherein the step "a" is carried out by means of a cast in silicone of a rock to be reproduced by the construction of a reinforced resin mould.
3. Process according to claim 1, wherein the deposition of steps "a" and/or "d" consists of a layer of mixture whose thickness ranges from 0/5 to 10 cm.

4. Process according to claim 3, wherein the layer of mixture has a thickness between 3 and 4 cm.
5. Process according to claim 1, characterized in that the aggregates used for the mixture of the steps "a" and/or "d" have a variable granulometry and a diameter less than 5 mm.
6. Process according to claim 5, wherein the granulometry of the aggregates is variable and their diameter is less than 2 mm.
7. Process according to claim 1, where in the resin used in the steps "a" and/or "d" is an isophthalic or bisphenolic polyester resin.
8. Process according to claim 1, wherein the steps "a" and/or "d" there are used the following additives: a thickener, structural glass fibers, various aggregates.
9. Process according to claim 1, wherein for the step "e" there are used two successive layers of glass fiber and resin.
10. Process according to claim 1, wherein the step "g" provides a covering with a first layer of white gel-coat and second layer of paraffined black gel-coat.
11. Process according to claim 1, wherein the step "j" provided for a treatment in oven

for a time of about five hours, three of which at 100 °C.

12. Process according to claim 1, wherein the product is washed after the step "j" with water at about 100 °C and/or with steam.

13. A product defining an artificial rock, to be used, in particular, for aquariums, tanks, swimming pools and the like, product that consists of a mixture of aggregates, isophthalic or bisphenolic polyester resin and additives.

14. Product according to claim 14, wherein the granulometry of the aggregates is variable and their thickness is less than 5 mm in diameter.

15. Product according to claim 14, wherein the granulometry of the aggregates is variable and their diameter is less than 2 mm.

16. Product according to claim 13, wherein the additives comprise a thickener, structural glass fiber and various aggregates.

17. Product according to claim 13, wherein it is made up of two overlapping layers of said polymerized mixture, covered with two successive layers of glass fiber and resin.

18. Product according to claim 13, wherein a one-square meter portion of the product

comprises: gr. 9000 of resin; gr. 180 of catalyst; gr. 14000 of aggregates composed by calcium carbonate and quartz; gr. 100 of thixotropic thickener; gr. 1350 of glass fibers; gr. 400 of structural glass fiber in fabric form; gr. 500 of structural glass fiber; gr. 1000 of resin filled with fine aggregates and pigment; gr. 40 of liquid paraffin.

19. Product according to claim 13 wherein a one-square meter portion of the product comprises: gr. 9000 of resin "SYNOLITE 0280-I-1"; gr. 180 of catalyst "PEREXTER B18"; gr. 14000 of aggregates consisting of calcium carbonate and quartz; gr. 100 of thixotropic thickener "CAB-O-SIL FUMED SILICA"; gr. 1350 of glass fibers "MAT POWDER" 450 gr/m²; gr. 400 of structural glass fiber "ROVING AGIMAT" 800/300GR/M² in fabric yarn form; gr. 500 of structural glass fiber "R63SX1 CHOPPED STRAND"; gr. 1000 of resin filled with fine aggregates and pigment "NEOGEL ISI 8378-W-0100"; gr. 40 of liquid paraffin.